

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Group Art Unit: To Be Assigned

Examiner: To Be Assigned

In Re PATENT APPLICATION Of:

| | | | | |
|---------------|---|--|---|---|
| Applicants | : | Yukio SHAKUDA et al. |) | INFORMATION DISCLOSURE STATEMENT |
| Serial No. | : | To Be Assigned |) | |
| Filed | : | October 10, 2003 |) | |
| For | : | SEMICONDUCTOR LIGHT EMITTING DEVICE |) | |
| Attorney Ref. | : | KAW 104 |) | |

October 10, 2003

Commissioner for Patents
P. O. Box 1450
Alexandria VA 22313-1450

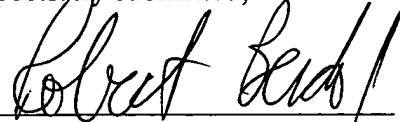
Sir:

This is an information disclosure statement submitted in compliance with the timing requirements of 37 C.F.R. §1.97(b)(1).

Attached is copy of an English-language article. The article is listed on the attached Form PTO-1449. Any relevance of this article can be gleaned from page 3 of the present application, where this article is discussed.

Since this Information Disclosure Statement is being filed with the application, no certification or fee is required, and the requirements of 37 C.F.R. §§1.97 and 1.98 are deemed to be fully met as to the document submitted. Consideration of the submitted document is respectfully requested.

Respectfully submitted,



Robert H. Berdo, Jr. (Reg. No. 38,075)
RABIN & BERDO, P.C.
CUSTOMER NO. 23995
(202) 371-8976
(202) 408-0924 fax

October 10, 2003

Date

RHB:tz

FEES ENCLOSED:\$ 8/0
Please charge any further
fee to our Deposit Account
No. 18-0002

| FORM PTO-1449 INFORMATION DISCLOSURE STATEMENT | | Atty Docket | | Application No. | | | |
|--|----|--|------|-----------------------|-------|-----------|--------------|
| | | KAW 104 | | To Be Assigned | | | |
| | | Applicant | | | | | |
| | | Yukio SHAKUDA, Yukio MATSUMOTO and Nobuaki OGURO | | | | | |
| | | Filing Date | | Group Unit | | | |
| | | October 10, 2003 | | To Be Assigned | | | |
| U.S. PATENT DOCUMENTS | | | | | | | |
| Examiner Initial | | Document Number | Date | Name | Class | Sub-Class | Filing Date |
| | AA | | | | | | |
| | AB | | | | | | |
| | AC | | | | | | |
| | AD | | | | | | |
| | AE | | | | | | |
| | AF | | | | | | |
| | AG | | | | | | |
| | AH | | | | | | |
| | AI | | | | | | |
| | AJ | | | | | | |
| FOREIGN PATENT DOCUMENTS | | | | | | | |
| | | Document Number | Date | Country | Class | Sub-Class | Trans-lation |
| | AK | | | | | | |
| | AL | | | | | | |
| OTHER (Including Author, Title, Date, Pertinent Pages, etc.) | | | | | | | |
| | AM | Gardner et al., 14x efficiency improvement in transparent-substrate (Al_xGa_{1-x})_{0.5}In_{0.5}P light-emitting diodes with thin (\leq 2000Å) active regions; April 12, 1999; Applied Physics Letters; Volume 74 No. 15; p2230-2232 | | | | | |
| | AN | | | | | | |
| | AO | | | | | | |
| | AP | | | | | | |
| Examiner | | | | Date Considered | | | |
| EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant. | | | | | | | |